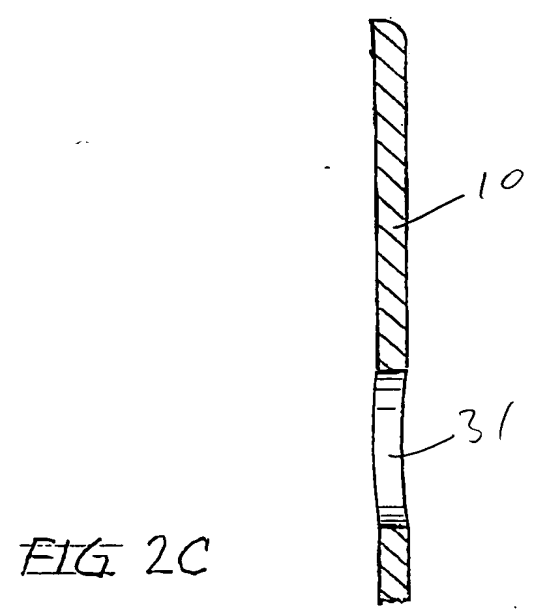
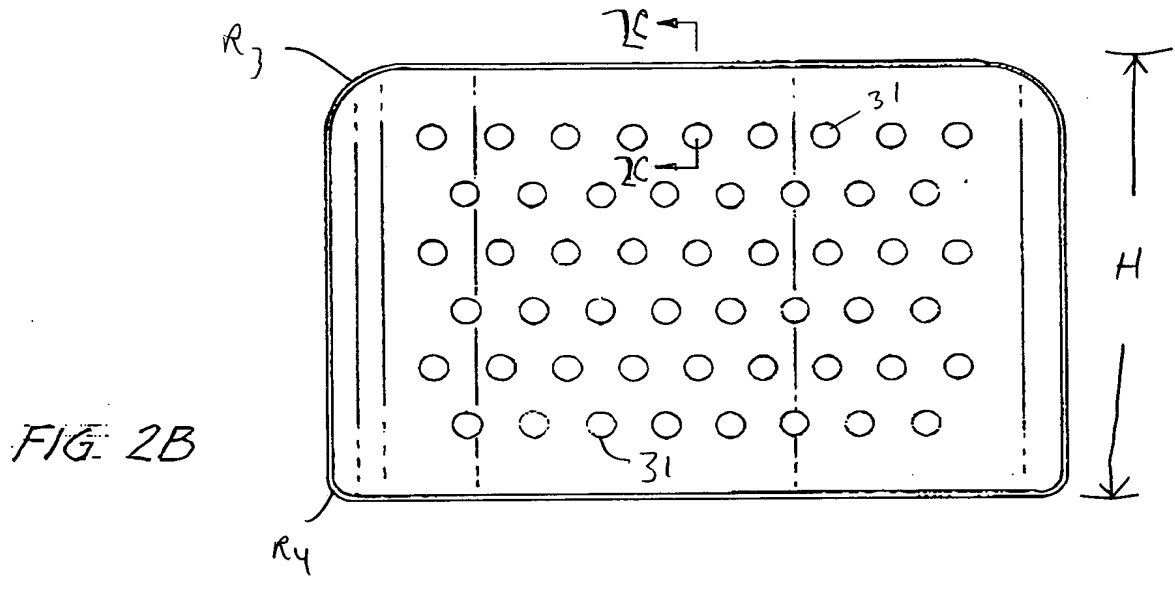
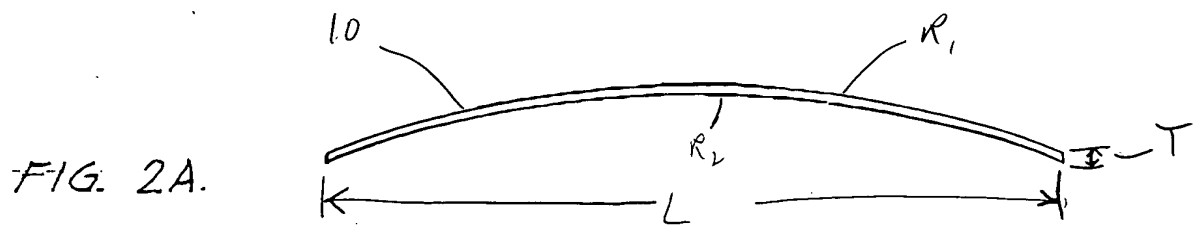


FIG. 1.



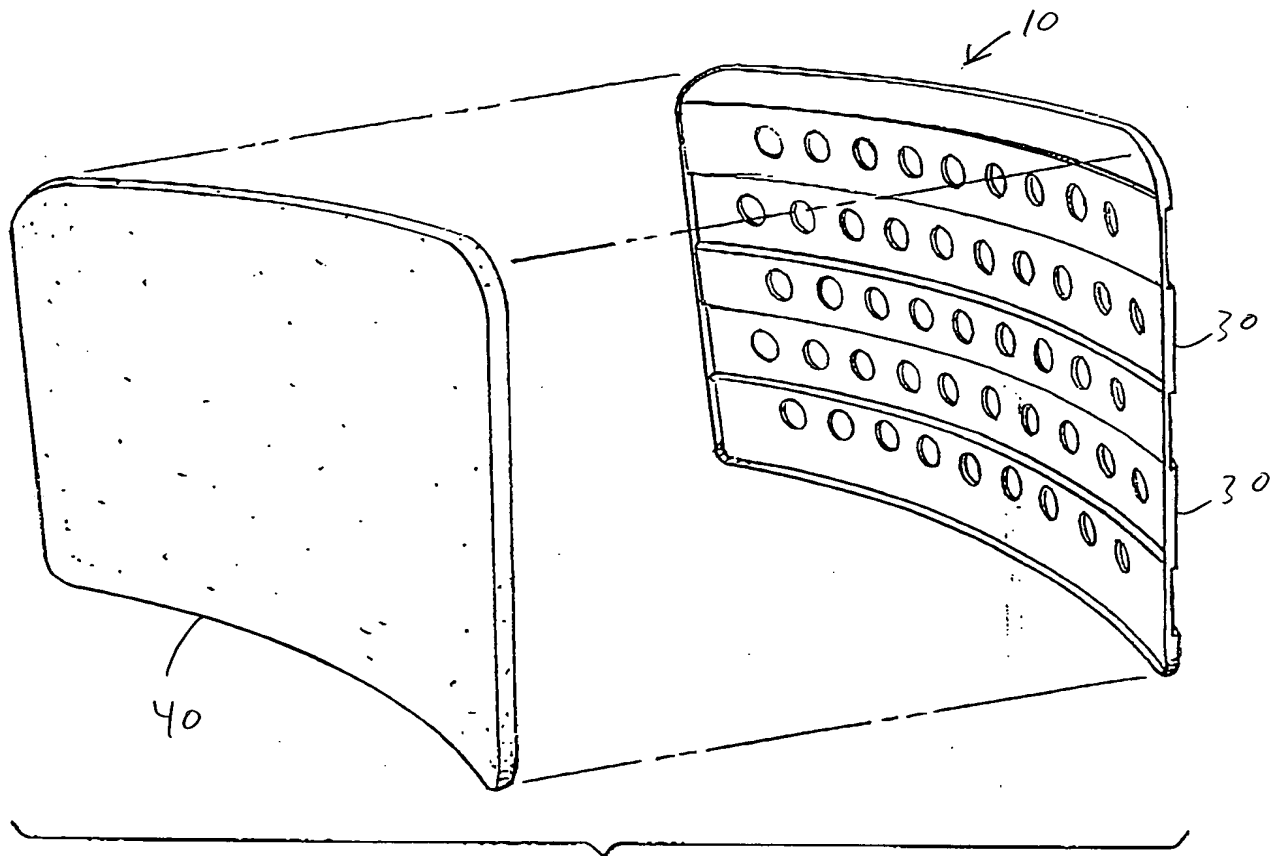


FIG. 3.

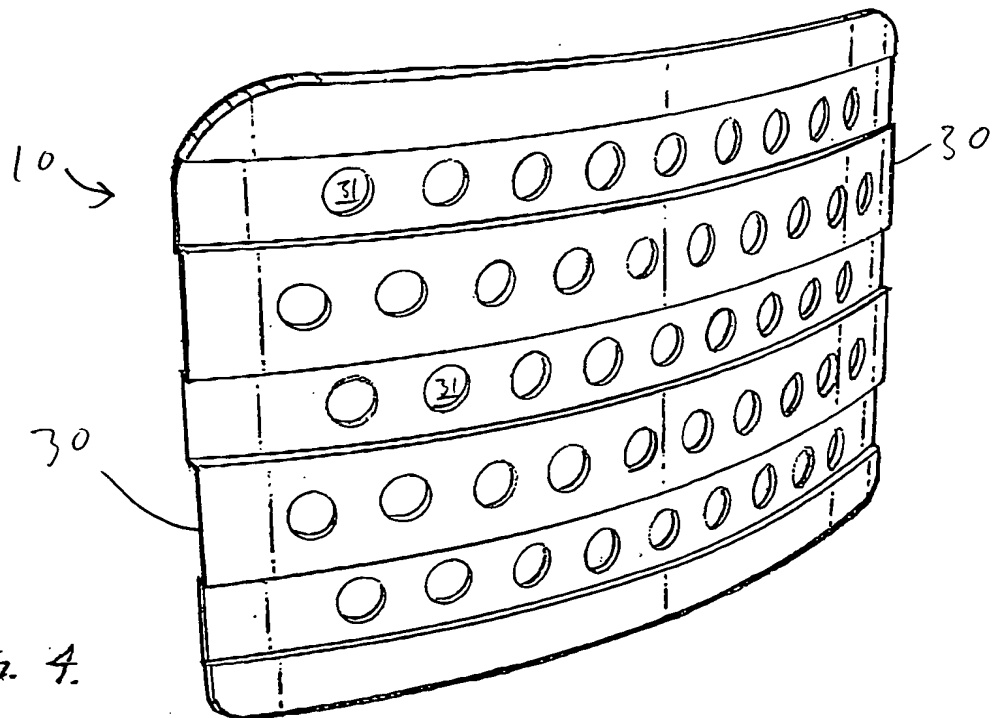
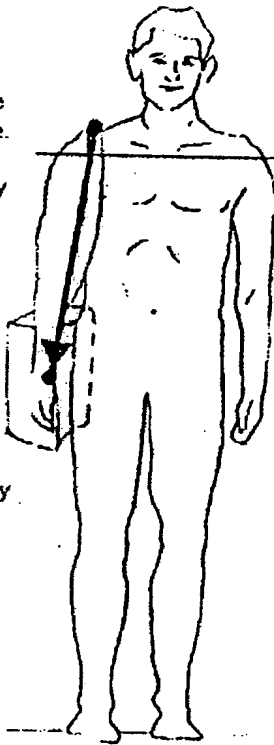


FIG. 4.

Human Load Evaluation

CG of loaded bag should be moved as close to the centerline of support as possible. Proper computer placement and battery pocket can make this an advantage for Skybag

Force is mostly straight down for male



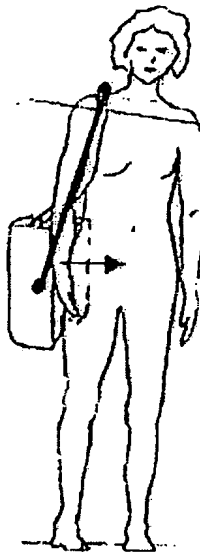
Large Male

Small female has narrower shoulders that must be raised to retain strap pad

Less muscle and bone strength in upper torso cause twice the impact of total load and load offset as compared to a male

Shoulder and strap geometry require more angular deviation for female

Hip contact point applies more asymmetrical force



Small Female

Figure 5